

Title (en)

STATIONARY FILTER BAGS REGENERATION UNIT WITH INDIVIDUAL UNDER-PRESSURE TURN-OFF

Title (de)

STATIONÄRE FILTERTASCHEN-REGENERATIONSEINHEIT MIT INDIVIDUELLER UNTERDRUCKSABSCHALTUNG

Title (fr)

UNITÉ DE RÉGÉNÉRATION DE SACS FILTRANTS STATIONNAIRE AVEC COUPURE PAR SOUS-PRESSION INDIVIDUELLE

Publication

EP 3031507 A1 20160615 (EN)

Application

EP 15460057 A 20150831

Priority

UA 2014013107 A 20141208

Abstract (en)

Horizontal bag filter applies to separators for filtration of solid particles from gases, which use filter bag preferably made of flexible material. The horizontal bag filter, which consists of a housing divided by a perforated wall on a polluted gas chamber and a cleaned gas chamber. In the polluted gas chamber are installed filter bags. Wherein the horizontal bag filter (7) has a regeneration unit, compressed air tank (8), polluted gas inlet duct, cleaned gas outlet duct. The filter bag (7) regeneration system is made as a "lift" system, mounted on guides on each column of filter bags. The "lift" unit is composed of contactless sensors (9), sliding valves (10) with sensors (11) and openings (12) for the compressed air duct, which moves on the vertical guides (13) and the compressed air ducts (14) are connected one by one to each valve (10) on one end and on other end to the compressed air tank (8) by the mean of electro-valve (15).

IPC 8 full level

B01D 46/00 (2006.01); **B01D 46/24** (2006.01)

CPC (source: EP)

B01D 46/2407 (2013.01); **B01D 46/71** (2022.01); **Y02A 50/2351** (2017.12)

Citation (applicant)

- US 2014174476 A1 20140626 - BOATWRIGHT RICHARD DANIEL [US]
- US 5529592 A 19960625 - MARGRAF ADOLF [DE]

Citation (search report)

- [X] DE 2242659 A1 19740307 - HUTTEN FRIEDRICH KARL FRHR VON
- [X] DE 1407971 A1 19691009 - MIAG MUEHLENBAU & IND GMBH

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3031507 A1 20160615

DOCDB simple family (application)

EP 15460057 A 20150831